

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Claims 1-34 (Cancelled).

35. (Currently Amended) An optical fiber, comprising:

a glass core having a central cross-sectional area with a first refractive-index peak, an outside ring with a second refractive-index peak, and an intermediate region between the first peak and the second peak with a refractive-index lower than the first and the second refractive index peak; and

a glass cladding surrounding the glass core, wherein the fiber has a cable cutoff wavelength of less than 1400 nm, an effective area of greater than or equal to $50 \mu\text{m}^2$, a dispersion at 1450 nm of greater than or equal to 1.5 ps/nm/km and a dispersion slope at 1550 nm of less than or equal to 0.070 ps/nm²/km.

36. (Currently Amended) An optical fiber according to claim ~~68~~ 35, wherein the intermediate region includes a refractive index depression.

37. (New) An optical fiber according to claim 35, wherein the fiber has an effective area of greater than or equal to $56 \mu\text{m}^2$.

38. (New) An optical fiber according to claim 35, wherein the fiber has a dispersion at 1450 nm of greater than or equal to 2.5 ps/nm/km.

39. (New) An optical fiber according to claim 36, wherein the fiber has a dispersion slope at 1550 nm of less than or equal to 0.05 ps/nm²/km.

40. (New) An optical fiber according to claim 35, wherein the fiber has an attenuation at 1310 nm of less than or equal to 0.45 dB/km.

41. (New) An optical fiber according to claim 35, wherein the fiber has an attenuation at 1550 nm of less than or equal to 0.30 dB/km.

42. (New) An optical fiber according to claim 35, wherein the fiber is a single-mode optical transmission fiber for use in WDM transmission system.

43. (New) An optical fiber according to claim 35, wherein the first refractive-index peak has a refractive index difference greater than or equal to 0.004 and less than or equal to 0.010.

44. (New) An optical fiber according to claim 35, wherein the first refractive-index peak has a refractive index difference greater than or equal to 0.005 and less than or equal to 0.008.

45. (New) An optical fiber according to claim 36, wherein the refractive index depression has a refractive index difference greater than or equal to -0.006 and less than or equal to -0.001.

46. (New) An optical fiber according to claim 36, wherein the refractive index depression has a refractive index difference greater than or equal to -0.003 and less than or equal to 0.002.

47. (New) An optical fiber, comprising:
a glass core having a central cross-sectional area with a first refractive-index peak, an outside ring with a second refractive-index peak, and an intermediate region between the first peak and the second peak including a refractive index depression; and
a glass cladding surrounding the glass core, wherein the fiber has a cable cutoff wavelength of less than 1400 nm, an effective area of greater than $50 \mu\text{m}^2$, a dispersion at 1450 nm of greater than or equal to 1.5 ps/nm/km and a dispersion slope at 1550 nm of less than or equal to 0.07 ps/nm²/km.

48. (New) An optical fiber comprising:
a core including an inner core layer, an outer peak surrounding the inner core layer and a depressed trench between the inner core layer and the outer peak; and

a cladding surrounding the outer peak, wherein the fiber has a cable cutoff wavelength of less than 1400 nm, an effective area of greater than $50 \mu\text{m}^2$, a dispersion at 1450 nm of greater than or equal to 1.5 ps/nm/km and a dispersion slope at 1550 nm of less than or equal to 0.07 ps/nm²/km.